



Recommended Program of Study for: Machine Tool Technology



Career Cluster: Manufacturing			Career Pathway: Production		
9 th Grade	10 th Grade	11 th Grade	12 th Grade	Postsecondary	
English I	English II	English III	English IV	College of Southern Nevada Great Basin College Nevada State College Truckee Meadows Community College University of Nevada, Las Vegas University of Nevada, Reno Western Nevada College	
Algebra I	Geometry	Algebra II	Senior Level Math Course		
Biology	Chemistry or Geoscience	Junior Level Science Course	Elective ¹		
Health / Computer Literacy	World History	US History	US Government		
Physical Education	Physical Education	Machine Tool Technology I	Machine Tool Technology II3		
Foreign Language ² or Elective ¹	Foreign Language ² or Elective ¹	Machine Tool Technology I LAB	Machine Tool Technology II LAB		
Work-Based Learning		Secondary	-- Articulation --	Postsecondary	Career and Technical Student Organizations
Job Shadowing Internship / Work Experience Career Day / Fair Field Trips / Guest Speakers		Machine Tool Technology I Machine Tool Technology II		(subject to change)	SkillsUSA
CTE Assessments ³		Available Industry Certifications		High Wage - High Skill - High Demand Careers ⁴	
-End of Program Technical Assessment for Machine Tool Technology -Workplace Readiness Skills Assessment (for Employability Skills Standards)		Certification CareerSafe	Provider OSHA	Calibration Technician Extruding and Drawing Machine Setter/Set-up Operator Extrusion Machine Operator Machine Operator	Milling Machine Setter Millwright Pattern & Model Maker Precision Layout Worker Tool and Die Maker

This Program of Study is based upon the requirements needed for an Advanced Diploma. Academic course names may vary among school districts. All students must pass the high school proficiency exams to qualify for any high school diploma.

¹ Electives may include arts and humanities courses or other career and technical education courses that relate to the program of study.

² Foreign Language courses are recommended if a student is planning on entering a university. (See individual university admission policies)

³ CTE Assessments will be administered during the completion level CTE course.

⁴ For additional career and employment information visit <http://www.nvcis.intocareers.org/> and <http://www.NevadaYouth.org>